Service Bulletin

AUTOMOBILE	
ISSUE NO	: L-AZH-015
DATE	: Sept 3, 2014
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SUBJECT	:	Water Pump Pulley Bolts, Incorrectly Tightened SSR05		
APPLICABLE MODEL	:	AZH414 (Swift)		
PRODUCTION PERIOD.	:	From June 28, 2013 through to October 4, 2013		
REFERENCE / PREVIOUS BULLETIN	:			
APPLICABLE TO:	Dealer Principal ☒	Service Manager ☒	Sales Manager ☐	Parts Manager ☒
	Service Reception ☒	Workshop Manager ☒	Technicians ☒	Warranty Admin ☒

This bulletin is to inform you of the above Recall Campaign.

We regret to inform you that certain AZH414 Suzuki Swift vehicles may have incorrectly tightened Water Pump Pulley bolts. If the vehicle continues to be driven it may cause the warning light to be lit due to Water Pump Pulley or belt falling off and possibly causing the engine to overheat.

1. APPLICABLE MODEL

Specific AZH414 Swift vehicles.
Please check Suzuki-Online for:
Vehicle sold to your dealership: SOL/Warranty/Dealer Retails Campaign Required
Individual Vehicles: SOL/Warranty/Vehicle Inquiry

2. CONDITION

This may cause a noise and/or the vehicle warning light to turn on due to belt or pulley falling off thus causing the engine to overheat.

3. CAUSE

Improper torque of the Water Pump Pulley Bolts.

4. CORRECTION

Refer to information in the following pages.

5. WARRANTY CLAIMING INSTRUCTIONS

Please submit your Claim as per the following Information using Suzuki-Online.

Campaign Name	SSR05
Claim Category	2 (Campaign Claim)
Trouble Code	99 – VK
Basic Code	CB9999
Labour Allowance	0.3 hrs. only for bolt change 1.4 hrs, for bolt, pulley & water pump change with adjustment
Causal Part	17512-61800-RX0
Causal Part Description	Bolt set, Water Pump Pulley
Causal Part Qty.	1

If you find that the WATER PUMP requires replacement Contact Suzuki Warranty before submitting Claim.

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Before you begin,

Please inspect and confirm that the vehicle is NOT fitted with a 4 bolt Water Pump Pulley. If you do find that the vehicle does have a 4 bolt Water Pump pulley fitted please contact Suzuki Warranty or Technical before proceeding.

Suzuki will then check vehicle claim history and advise you to either proceed with the following instructions or ask you to just submit the warranty claim which will then be adjusted for an inspection only.

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SWIFT

Procedure for Water Pump Pulley Bolt Replacement

Work Flow

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2-A. Inspection of Water Pump Pulley Bolt Tightening Condition

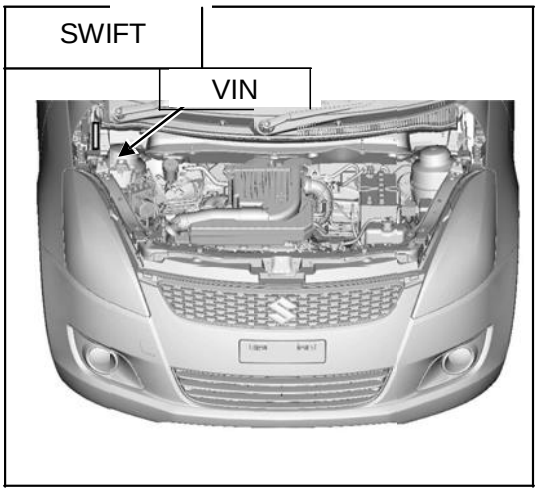
Good Condition → 2-B. Replacement of Water Pump Pulley Bolt

Poor Condition → 2-C. Replacement of Water Pump, Water Pump Pulley and Water Pump Pulley Bolt

1. Confirmation of Affected Vehicle

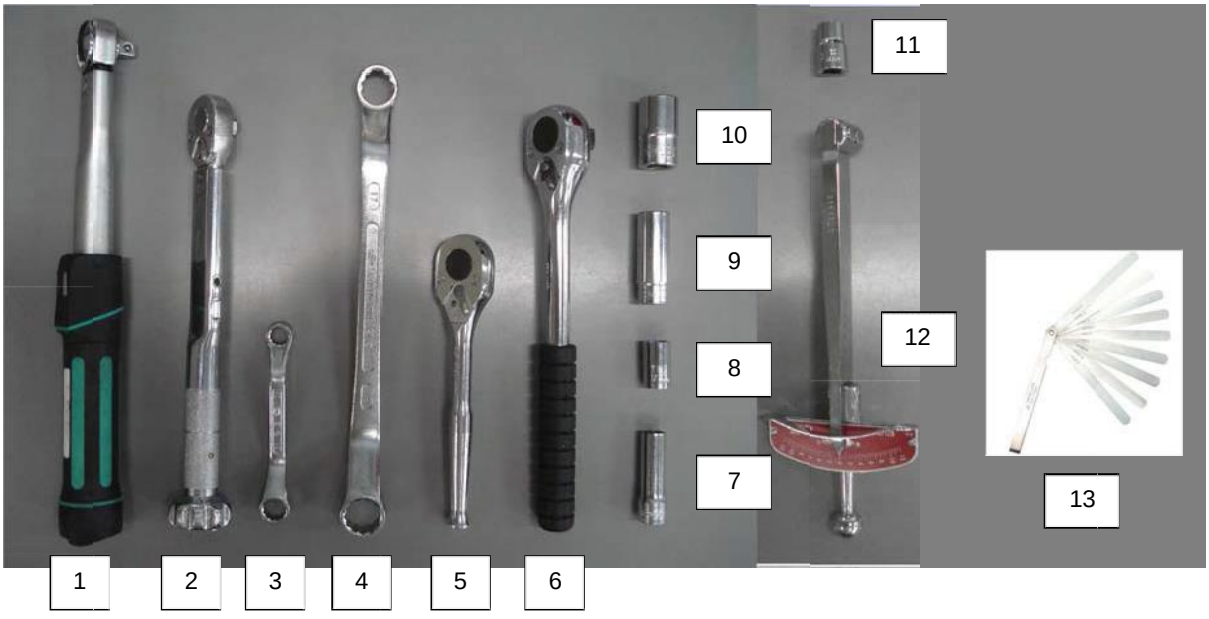
Check VIN to see if the vehicle needs replacement or not.

VIN Location ... Cowl top panel in engine compartment



2. Procedure for Water Pump Pulley Bolt Replacement

Necessary Tools



No.	Tool Name	Reference
1	Torque wrench	9.5sq, 5 - 45 Nm
2	Torque wrench	9.5sq, 10 - 60 Nm
3	Box end wrench	10 - 12mm short type
4	Box end wrench	14 - 17mm
5	Ratchet wrench	9.5sq
6	Ratchet wrench	12.7sq,
7	Box socket	9.5sq, long type 10mm
8	Box socket	9.5sq, short type 12mm
9	Box socket	12.7sq, long type 14mm
10	Box socket	12.7sq, short type 17mm
11	Box socket	9.5sq, short type 10mm
12	Torque wrench (To measure loosening torque)	9.5sq, 0.5 - 12 Nm
13	Feeler gauge	For measuring thickness of 0.05mm and less

Special Tool and Required Service Material

1

2

No.	Special Tool No.	Tool Name
1	Commercially available	Push gauge
2	99000-31250-000	Threebond 1207F(Silver)
3	99000-99032-20X	Suzuki Super Long Life Coolant(Blue)

Replacement Parts

Part name	Part number	Number of Pieces	Referernce
Bolt set	17512-61800-RX0	1 bag (3pcs)	
Water pump pulley (5-rib type) (Without ENE-CHARGE system)	17511-51K10	1 piece	
Water pump	17400-69L11	1 piece	
Water pump belt (5-rib type) (Without ENE-CHARGE system)	17521-73K10	1 piece	

- **Use water pump pulley and water pump (replacement part) ONLY when procedure 2-C is required.**

- **Use water pump belt (replacement part) only when there is a defect in appearance or re-adjustment does not give the standard value.**

2-A.Inspection of Water Pump Pulley Bolt Tightening Condition

Figure of water pump and surrounding parts

Without ENE-CHA GE system

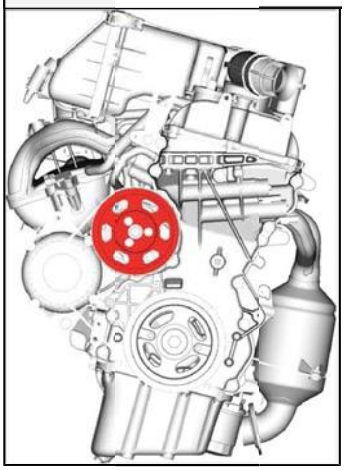
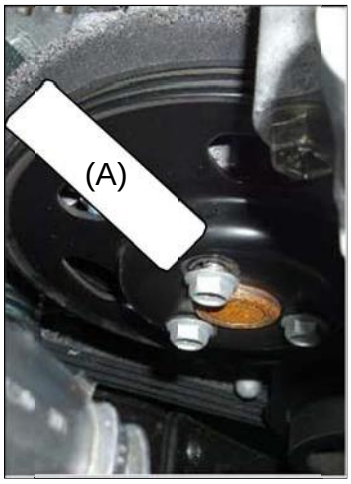


Figure of water pump and surrounding parts in engine compartment(Example)

1) Inspect the following two items related to water pump pulley bolt tightening condition. Check each water pump pulley bolt one by one.



Check1: Clearance Check

Check if a thickness gauge(A) of 0.05mm or less can be inserted between the seating surface of pulley bolt and water pump pulley.

Check2: Loosening Torque Check

Measure loosening torque of water pump pulley b lt, using to que wrench.

Temporarily tighten bolt to 11Nm after loosening torque check.

2) Proceed to the corresponding procedure shown below, depending on the Judgment result.

Check result	Judgment	Replacement Part	Action
All three bolts have no clearance and their loosening torque is 5Nm or larger.	**Good** ✓	Water pump pulley bolt	Go to Procedure 2-B.
Any of three bolts shows clearance or its loosening torque is 5Nm or smaller.	**Poor** **X**	•Water pump •Water pump pulley •Water pump pulley bolt •Water pump belt(See NOTICE)	Go to Procedure 2-C.

NOTICE:

Use water pump belt (replacement part) only when there is defect in appearance or re-adjustment does not give standard value.

2-B.Replacement of Water Pump Pulley Bolt

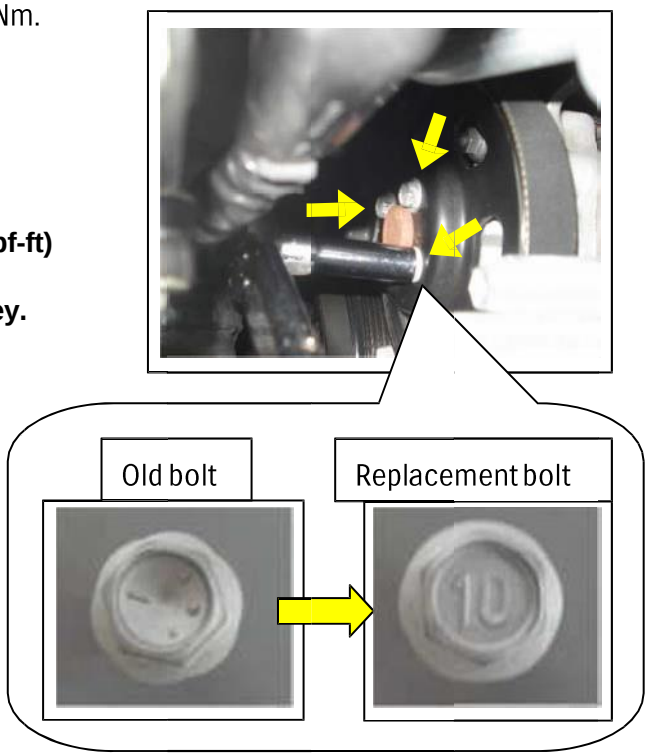
1) Replace each old water pump pulley bolt with new bolt one by one. Temporarily tighten bolt to 11Nm.

2) Tighten water pump pulley bolt to specified tightening torque.

Tightening torque

Water pump pulley bolt: 20 N·m (2.0 kgf-m, 15.0 lbf-ft)

NOTICE: Work without removing water pump pulley.



3) Start the engine and check if there is no noise and vibration during idling.

2-C. Replacement of Water Pump, Water Pump Pulley and Water Pump Pulley Bolt

If you find that the WATER PUMP requires replacement Contact Suzuki Warranty before submitting Claim.

NOTE: COOLANT MUST BE RECOVERED and REUSED .

Work referring to the corresponding service manual depending on the vehicle model.

Model	Service Manual
SWIFT	**SWIFT Service Manual (99500-71L20-01X (X:E,S), 99500-71L20-35E, 99500-68L30-01X (X:B,D,E,F,G,H,K,Q,S,V))** 1F-Engine Cooling, Repair Instruction, "Water pump Removal/Installation"

NOTICE:

Perform the following according to the description mentioned below:
- Installation of water pump, water pump pulley and water pump pulley bolt
- Adjustment of water pump/generator drive belt

Use water pump belt (replacement part) only when there is defect in appearance or re-adjustment does not give standard value.

Installation of water pump, water pump pulley and water pump pulley

bolt Install replacement part.(Water pump pulley and water pump

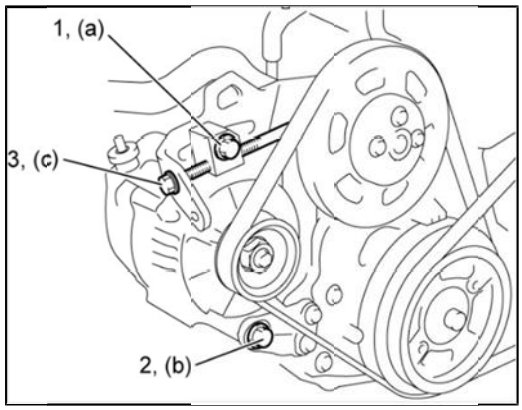
pulley bolt) Tighten water pump pulley bolt to specified torque.

Tightening torque
Water pump pulley bolt: 20 Nm(2.0 kgf-m, 15.0 lbf-ft)

Adjustment of water pump / generator drive

1) Move the generator by tightening or loosening the drive belt djusting bolt (3) and adjust the water pump / generator drive belt tension or deflection to specified value.

After adjustment, tighten generator bolt (a), generator pivot bolt (b) and drive belt adjusting bolt (c) to specified torque.



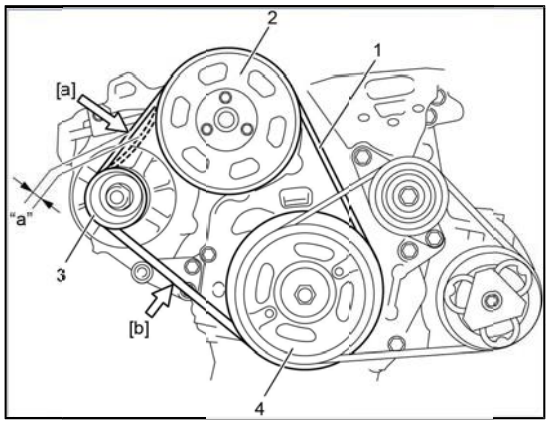
Tightening torque

Generator bolt (a): 25 Nm (2.5 kgf-m, 18.5 lbf-ft)

Generator pivot bolt (b):45 Nm (4.6 kgf-m, 33.5 lbf-ft)

Generator adjusting bolt (c): 5 Nm (0.51 kgf-m, 4.0 lbf-ft)

Using a push gauge or the like, check water pump /generator drive belt deflection "a" when pushing it at the center position [a] between water pump pulley (2) and generator pulley (3) with a force of 100N(98.07kgf, 22.05lbf) and adjust it to specified range.



Drive belt standard deflection "a"

Existing belt: 4.0 - 4.5 mm (0.16 - 0.18 in.)

New belt: 3.0 - 3.5 mm (0.12 - 0.14 in.)

2) Install engine under cover to its original position and lower the vehicle.
3) Start the engine and check for any noise & vibration during idle.